

G. Bansal



#8

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/642,660

DATE: 01/30/2002

TIME: 17:22:16

Input Set : N:\Crf3\RULE60\09642660.txt

Output Set: N:\CRF3\01302002\I642660.raw

SEQUENCE LISTING

C--> 5 (1) GENERAL INFORMATION:

7 (i) APPLICANT: Schneck, Jonathan
 8 O'Herrin, Sean

C--> 10 (ii) TITLE OF INVENTION: Molecular Complexes Which
 11 Modify Immune Responses

13 (iii) NUMBER OF SEQUENCES: 20

15 (iv) CORRESPONDENCE ADDRESS:
 16 (A) ADDRESSEE: Banner & Witcoff
 17 (B) STREET: 1001 G Street, NW
 18 (C) CITY: Washington
 19 (D) STATE: DC
 20 (E) COUNTRY: USA
 21 (F) ZIP: 20001

23 (v) COMPUTER READABLE FORM:
 24 (A) MEDIUM TYPE: Diskette
 25 (B) COMPUTER: IBM Compatible
 26 (C) OPERATING SYSTEM: DOS
 27 (D) SOFTWARE: FastSEQ for Windows Version 2.0

29 (vi) CURRENT APPLICATION DATA:
 C--> 30 (A) APPLICATION NUMBER: US/09/642,660
 C--> 31 (B) FILING DATE: 22-Aug-2000
 32 (C) CLASSIFICATION:

34 (vii) PRIOR APPLICATION DATA:
 35 (A) APPLICATION NUMBER: 09/063,276
 36 (B) FILING DATE: 21-APR-1998
 38 (A) APPLICATION NUMBER: 08/828,712
 39 (B) FILING DATE: 28-MAR-1997
 41 (A) APPLICATION NUMBER: 60/014,367
 42 (B) FILING DATE: 28-MAR-1996

45 (viii) ATTORNEY/AGENT INFORMATION:
 46 (A) NAME: Kagan, Sarah A
 47 (B) REGISTRATION NUMBER: 32141
 48 (C) REFERENCE/DOCKET NUMBER: 01107.74154

50 (ix) TELECOMMUNICATION INFORMATION:
 51 (A) TELEPHONE: 202-508-9100
 52 (B) TELEFAX: 202-508-9299
 53 (C) TELEX:

56 (2) INFORMATION FOR SEQ ID NO: 1:
 58 (i) SEQUENCE CHARACTERISTICS:
 59 (A) LENGTH: 65 base pairs
 60 (B) TYPE: nucleic acid
 61 (C) STRANDEDNESS: single

ENTERED

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62         (D) TOPOLOGY: linear
65     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
67     CTGTCAGTAA CTGCAGGTGT CCACTCTGGT ACCAGCGGTG AGGTTTCAGCT TCAGCAGTCT      60
68     GGAGC                                                                    65
70 (2) INFORMATION FOR SEQ ID NO: 2:
72     (i) SEQUENCE CHARACTERISTICS:
73         (A) LENGTH: 60 base pairs
74         (B) TYPE: nucleic acid
75         (C) STRANDEDNESS: single
76         (D) TOPOLOGY: linear
79     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
81     AGCCTCTCCC ACTCTCCTGG TAAATGAGCA TGCTCTCAGT GTCCTTGGAG CCCTCTGGTC      60
83 (2) INFORMATION FOR SEQ ID NO: 3:
85     (i) SEQUENCE CHARACTERISTICS:
86         (A) LENGTH: 74 base pairs
87         (B) TYPE: nucleic acid
88         (C) STRANDEDNESS: single
89         (D) TOPOLOGY: linear
92     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
94     CTGTTGCTCT GTTTTCAAGG TACCAGGTGT GGAAGCTTGG GAGGATCTGA TATCCAGATG      60
95     ACGCAAATCC ATCC                                                            74
97 (2) INFORMATION FOR SEQ ID NO: 4:
99     (i) SEQUENCE CHARACTERISTICS:
100        (A) LENGTH: 66 base pairs
101        (B) TYPE: nucleic acid
102        (C) STRANDEDNESS: single
103        (D) TOPOLOGY: linear
106     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
108     GTCAAGAGCT TCAACAGGAA TGAGTGTTAG GGTACCAGAC AAAGGTCCTG AGACGCCACC      60
109     ACCAGC                                                                    66
111 (2) INFORMATION FOR SEQ ID NO: 5:
113     (i) SEQUENCE CHARACTERISTICS:
114        (A) LENGTH: 58 base pairs
115        (B) TYPE: nucleic acid
116        (C) STRANDEDNESS: single
117        (D) TOPOLOGY: linear
120     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
122     CAGATATGAA CCTAAACTTT CAAGGAGGAG GTACCTGTCA GTTATGGGAC TCCGAATC      58
124 (2) INFORMATION FOR SEQ ID NO: 6:
126     (i) SEQUENCE CHARACTERISTICS:
127        (A) LENGTH: 50 base pairs
128        (B) TYPE: nucleic acid
129        (C) STRANDEDNESS: single
130        (D) TOPOLOGY: linear
133     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
135     CCAAAGAGAC CAGTATCCTG ACTCGAGGAA GCATGTCTAA CACTGCCTTC      50
137 (2) INFORMATION FOR SEQ ID NO: 7:
139     (i) SEQUENCE CHARACTERISTICS:
140        (A) LENGTH: 69 base pairs

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141         (B) TYPE: nucleic acid
142         (C) STRANDEDNESS: single
143         (D) TOPOLOGY: linear
146         (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
148     CTGCAACCAT CCTCTATGAG ATCGGAAGCT TAGGATCTGG TACCTACTGG GGAAGGCCAC      60
149     CCTATATGC                                                                69
151 (2) INFORMATION FOR SEQ ID NO: 8:
153     (i) SEQUENCE CHARACTERISTICS:
154         (A) LENGTH: 63 base pairs
155         (B) TYPE: nucleic acid
156         (C) STRANDEDNESS: single
157         (D) TOPOLOGY: linear
160     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
162     GGTAGCGACC GCGCTCAGC TGGAATTCAA GCTTCCATTC TCTTTAGTTT CTGGGAGGAG      60
163     GGT                                                                63
165 (2) INFORMATION FOR SEQ ID NO: 9:
167     (i) SEQUENCE CHARACTERISTICS:
168         (A) LENGTH: 69 base pairs
169         (B) TYPE: nucleic acid
170         (C) STRANDEDNESS: single
171         (D) TOPOLOGY: linear
174     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
176     GCACAGTCCA CATCTGCACA GAACAAGGGA GGAGGTACCG GGGATCCGGT TATTAGTACA      60
177     TTTATTAAG                                                                69
179 (2) INFORMATION FOR SEQ ID NO: 10:
181     (i) SEQUENCE CHARACTERISTICS:
182         (A) LENGTH: 6 amino acids
183         (B) TYPE: amino acid
184         (C) STRANDEDNESS: single
185         (D) TOPOLOGY: linear
188     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
190     Gly Gly Gly Thr Ser Gly
191     1           5
193 (2) INFORMATION FOR SEQ ID NO: 11:
195     (i) SEQUENCE CHARACTERISTICS:
196         (A) LENGTH: 6 amino acids
197         (B) TYPE: amino acid
198         (C) STRANDEDNESS: single
199         (D) TOPOLOGY: linear
202     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
204     Gly Ser Leu Gly Gly Ser
205     1           5
207 (2) INFORMATION FOR SEQ ID NO: 12:
209     (i) SEQUENCE CHARACTERISTICS:
210         (A) LENGTH: 8 amino acids
211         (B) TYPE: amino acid
212         (C) STRANDEDNESS: single
213         (D) TOPOLOGY: linear
W--> 215     (ii) MOLECULE TYPE: None

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217      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
219  Leu Ser Pro Phe Pro Phe Asp Leu
220  1      5
222 (2) INFORMATION FOR SEQ ID NO: 13:
224      (i) SEQUENCE CHARACTERISTICS:
225          (A) LENGTH: 9 amino acids
226          (B) TYPE: amino acid
227          (C) STRANDEDNESS: single
228          (D) TOPOLOGY: linear
W--> 230      (ii) MOLECULE TYPE: None
232      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
234  Gln Leu Ser Pro Phe Pro Phe Asp Leu
235  1      5
237 (2) INFORMATION FOR SEQ ID NO: 14:
239      (i) SEQUENCE CHARACTERISTICS:
240          (A) LENGTH: 9 amino acids
241          (B) TYPE: amino acid
242          (C) STRANDEDNESS: single
243          (D) TOPOLOGY: linear
W--> 245      (ii) MOLECULE TYPE: None
247      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
249  Leu Ser Pro Phe Pro Phe Asp Leu Leu
250  1      5
252 (2) INFORMATION FOR SEQ ID NO: 15:
254      (i) SEQUENCE CHARACTERISTICS:
255          (A) LENGTH: 9 amino acids
256          (B) TYPE: amino acid
257          (C) STRANDEDNESS: single
258          (D) TOPOLOGY: linear
W--> 260      (ii) MOLECULE TYPE: None
262      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
264  Thr Gln Asn His Arg Ala Leu Asp Leu
265  1      5
267 (2) INFORMATION FOR SEQ ID NO: 16:
269      (i) SEQUENCE CHARACTERISTICS:
270          (A) LENGTH: 9 amino acids
271          (B) TYPE: amino acid
272          (C) STRANDEDNESS: single
273          (D) TOPOLOGY: linear
W--> 275      (ii) MOLECULE TYPE: None
277      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:
279  Tyr Pro His Phe Met Pro Thr Asn Leu
280  1      5
282 (2) INFORMATION FOR SEQ ID NO: 17:
284      (i) SEQUENCE CHARACTERISTICS:
285          (A) LENGTH: 9 amino acids
286          (B) TYPE: amino acid
287          (C) STRANDEDNESS: single
288          (D) TOPOLOGY: linear

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W--> 290 (ii) MOLECULE TYPE: None
292 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:
294 Ser Pro Ser Tyr Val Tyr His Gln Phe
295 1 5
297 (2) INFORMATION FOR SEQ ID NO: 18:
299 (i) SEQUENCE CHARACTERISTICS:
300 (A) LENGTH: 8 amino acids
301 (B) TYPE: amino acid
302 (C) STRANDEDNESS: single
303 (D) TOPOLOGY: linear

W--> 305 (ii) MOLECULE TYPE: None
307 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:
309 Glu Gln Tyr Lys Phe Tyr Ser Val
310 1 5
312 (2) INFORMATION FOR SEQ ID NO: 19:
314 (i) SEQUENCE CHARACTERISTICS:
315 (A) LENGTH: 8 amino acids
316 (B) TYPE: amino acid
317 (C) STRANDEDNESS: single
318 (D) TOPOLOGY: linear

W--> 320 (ii) MOLECULE TYPE: None
322 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 19:
324 Ser Ile Tyr Arg Tyr Tyr Gly Leu
325 1 5
327 (2) INFORMATION FOR SEQ ID NO: 20:
329 (i) SEQUENCE CHARACTERISTICS:
330 (A) LENGTH: 8 amino acids
331 (B) TYPE: amino acid
332 (C) STRANDEDNESS: single
333 (D) TOPOLOGY: linear

W--> 335 (ii) MOLECULE TYPE: None
337 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 20:
339 Arg Gly Tyr Val Tyr Gln Gly Leu
340 1 5

VERIFICATION SUMMARY

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Input Set: N:\Crif3\RULE60\09642660.txt

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L:5 M:220 C: Keyword misspelled or invalid format, [(1) GENERAL INFORMATION:]
L:10 M:220 C: Keyword misspelled or invalid format, [(ii) TITLE OF INVENTION:]
L:30 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:31 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:215 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=12
L:230 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=13
L:245 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=14
L:260 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=15
L:275 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=16
L:290 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=17
L:305 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=18
L:320 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=19
L:335 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=20